

Title (en)
HYDROENERGETIC MOTOR

Title (de)
HYDROENERGETISCHER MOTOR

Title (fr)
MOTEUR HYDROÉNERGÉTIQUE

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Application
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Abstract (en)
[origin: WO2018226166A1] Hydroenergetic motor is the energy converter intended to transform the hydropotential energy into the mechanical work in the form of the torque in such a way that the force of the pressure of the column of the liquid, acting on the ball (Kr) in the nozzle (S) achieves the movement of the chain (VK) with the balls (Kr) first, which is then transferred to the wheel (K) of the device. Due to the fact that the wheel (K) is not in direct contact with the fluid, and whereas, at the same time, the hydroenergetic motor according to the invention can also generate a torque with small and uneven flows, it can be used where the use of conventional hydroelectric converters is not appropriate due to the specific characteristics of the working liquids and specific hydrodynamic flow parameters, for example in sewage systems, in order to exploit the hydro-potential energy of the waste liquid of the sewage system. In those systems the use of a hydroenergetic motor according to the invention is preferred. The installation of the hydroenergetic motor with the purpose of exploiting hydropotential energy of the waste sewage fluid flowing through either one or more building objects may be done at any location in the sewer system in a way that the generator producing electricity is attached to the wheel (K). During operation, the hydroenergetic motor does not emit any byproducts into the environment and this actually makes the hydroenergetic motor the renewable source of energy.

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